

## ABSTRACT OF THE DISCLOSURE

A semiconductor device is provided for various types of interfaces for performing various types of data processing operations based on input or output compressed data, and electronic equipment. A multiplexing/demultiplexing section demultiplexes compressed data compressed according to the MPEG-4 standard, for example, from multiplexed data which is multiplexed compressed data corresponding to various types of media, and supplies the demultiplexed and compressed data to output interface ICs corresponding to each output device including a display section. The output interface ICs decompress the demultiplexed and compressed data according to the MPEG-4 standard, for example. An input interface IC compresses data input from an input device according to the MPEG-4 standard, for example. The compressed data is supplied to the multiplexing/demultiplexing section and multiplexed therein.